

A B S T R A C T

A MECHANICAL PART, AND A METHOD OF MANUFACTURING SUCH A PART

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The mechanical part (50) of the invention presents a main direction along which there extend a central zone forming a core (52) and a peripheral zone forming a casing (54) which surrounds said core (52), said core (52) and said casing (54) presenting a metallurgical bond between each other, said core (52) being made of a first material presenting at least a metal matrix, and said casing (54) being made of a second material presenting at least a metal matrix. In characteristic manner, said metal matrices of the first and second materials are based on the same metal, and at least one of said first and second materials is made of a metal matrix composite containing reinforcing elements dispersed in said metal matrix. The mechanical part is preferably used as a blade for a fan or a low pressure compressor.

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